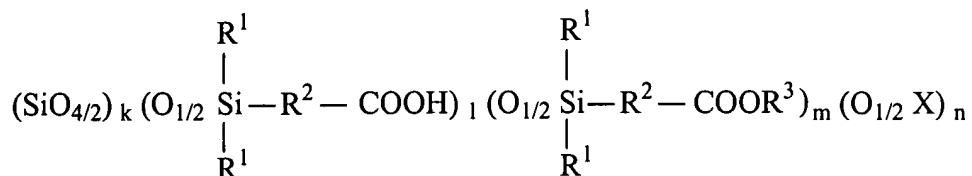


**AMENDMENTS TO THE CLAIMS:**

1. (Canceled)

2. (Previously Presented) A silicon-containing polymer comprising the structure represented by formula 1 below as a main structural unit



1

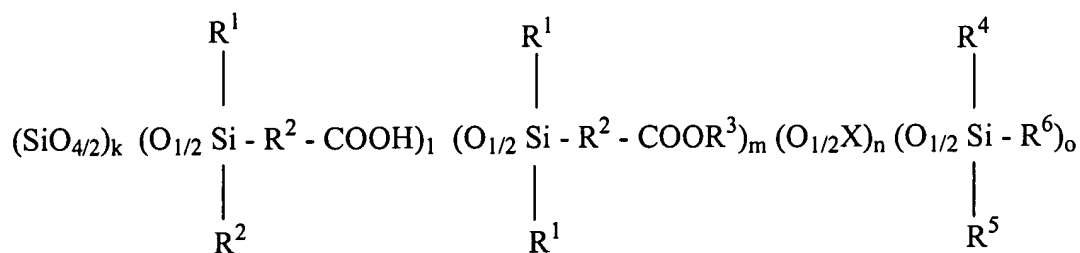
where  $\text{R}^1$  represents a monovalent organic group,  $\text{R}^2$  represents a direct bond or a divalent organic group,  $\text{R}^3$  represents a monovalent organic group or an organosilyl group, any of which groups may be of different types, X represents hydrogen, a monovalent organic group or an organosilyl group, which groups may be of different types, k and l are positive integers, m and n are 0 or positive integers, and these subscripts satisfy the following relationship

$$0 < \frac{l}{1 + m + n} \leq 0.8 \quad 0 \leq \frac{m}{1 + m} < 0.2$$

wherein at least some of the X groups are triorganosilyl groups.

3. (Original) A silicon-containing polymer according to claim 2, wherein said triorganosilyl groups include photosensitive crosslinkable groups.

4. (Previously Presented) A silicon-containing polymer represented by formula 2 below,



2

where R<sup>1</sup> represents a monovalent organic group,

R<sup>2</sup> represents a direct bond or a divalent organic group,

R<sup>3</sup> represents a monovalent organic group or an organosilyl group, any of which groups may be of different types,

X represents hydrogen, a monovalent organic group or an organosilyl group, which groups may be of different types, wherein at least some of the X groups are triorganosilyl groups containing a photosensitive crosslinkable group and wherein the photosensitive crosslinkable group is chloromethylphenylethyl,

R<sup>4</sup>, R<sup>5</sup> and R<sup>6</sup> each independently represent a monovalent organic group, at least one of R<sup>4</sup>, R<sup>5</sup> and R<sup>6</sup> being a monovalent organic group containing chloromethylphenylethyl, wherein R<sup>4</sup>, R<sup>5</sup> and R<sup>6</sup> may be one or more different types of organic groups,

k, l and o are positive integers,

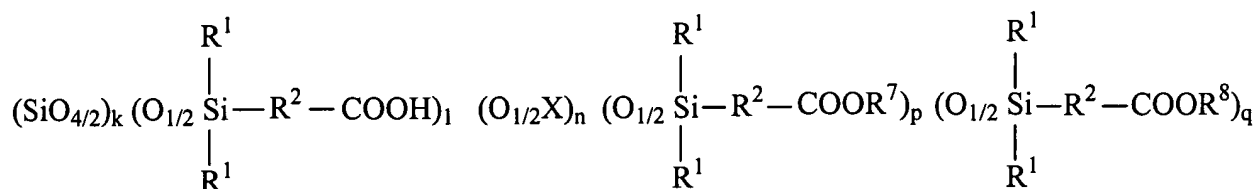
m and n are 0 or positive integers, and

these subscripts satisfy the following relationships:

$$0 < \frac{o}{1+m+n+o} \leq 0.8$$

$$0 < \frac{1}{1+m+n} \leq 0.8 \quad 0 \leq \frac{m}{1+m} < 0.2$$

5. (Previously Presented) A silicon-containing polymer comprising the structure represented by formula 3 below as a main structural unit



3

where  $\text{R}^1$  represents a monovalent organic group,  $\text{R}^2$  represents a direct bond or a divalent organic group,  $\text{R}^7$  and  $\text{R}^8$  each independently represent a monovalent organic group or an organosilyl group, any of which groups may be of different types, X represents hydrogen, a monovalent organic group or an organosilyl group, which groups may be of different types, k and q are positive integers, l, n, and p are 0 or positive integers, and these subscripts satisfy the following relationship

$$0 \leq \frac{1}{1+n+p+q} < 0.5 \quad 0.1 < \frac{q}{1+n+p+q} \leq 0.8$$

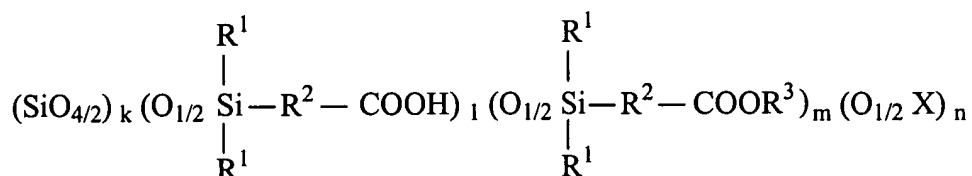
6. (Original) A silicon-containing polymer according to claim 5, wherein at least some of the X groups are triorganosilyl groups.

7. (Original) A silicon containing polymer according to claim 5, wherein R<sup>8</sup> is a functional group that is eliminated by an acid catalyst.

8. (Currently Amended) A copolymer according to any one of claims 2 to 7, where R<sup>2</sup> is ~~-(CH<sub>2</sub>)<sub>a</sub>-~~ -(CH<sub>2</sub>)<sub>a</sub>- and a is an integer of 1-10.

9 - 17 (Cancelled)

18. (Previously Presented) A silicon-containing polymer comprising the structure represented by formula 1 below as a main structural unit



1

where R<sup>1</sup> represents a monovalent organic group, R<sup>2</sup> represents a direct bond or a divalent organic group, R<sup>3</sup> represents a monovalent organic group or an organosilyl group, any of which groups may be of different types, X represents hydrogen, a monovalent organic group or an organosilyl group, which groups may be of different types, k and l are positive integers, m is a positive integer, and n is 0 or a positive

integer, and these subscripts satisfy the following relationship:  $0 < l/(l+m+n) \leq 0.8$  and  $0 < m/(l+m) < 0.2$ .

19. (Previously Presented) A silicon-containing polymer according to claim 18, wherein at least some of the X groups are triorganosilyl groups.

20. (Previously Presented) A silicon-containing polymer according to claim 19, wherein said triorganosilyl groups include photosensitive crosslinkable groups.

21. (Currently Amended) A copolymer according to any one of claims 18 to 20, where  $R^2$  is  $-(CH_2)_a-$   $-(CH_2)_a-$  and a is an integer of 1-10.